



Protech Solutions RI

AS Capstone Project

Team Developers:



- **Ian Arsenault**

Responsibilities: Main focus on company website

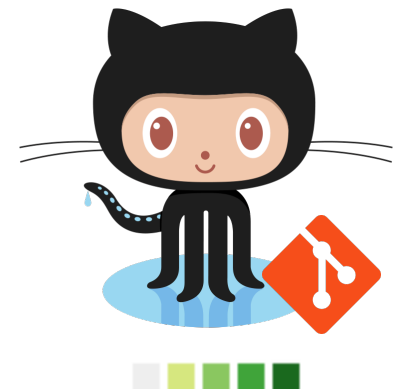
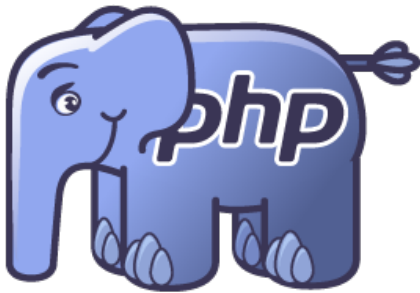
- **Jameson Arsenault**

Responsibilities: Main focus on E.H.R Application



Project Overview

Languages + Tools



Website Overview



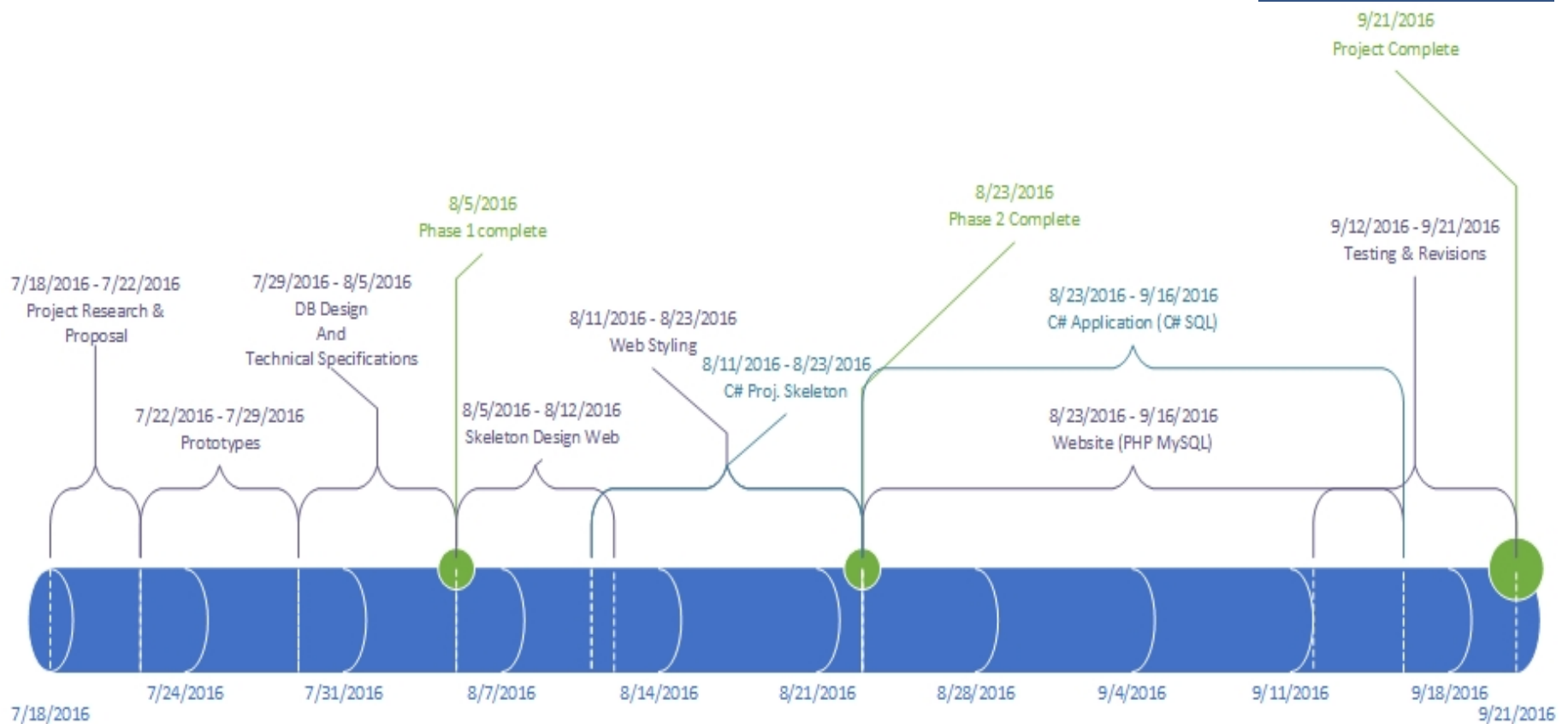
- Company website about applications we design + engineer
- Interactive design with different functionalities
- Allows customers to purchase an application and download it
- Sending customer data to database + email

C# Application Overview



- E.H.R. - Electronic Patient Medical Record application
- Intuitive patient record keeping for healthcare facilities
- Allows user to login and search patients
- Add + Update Patient Records

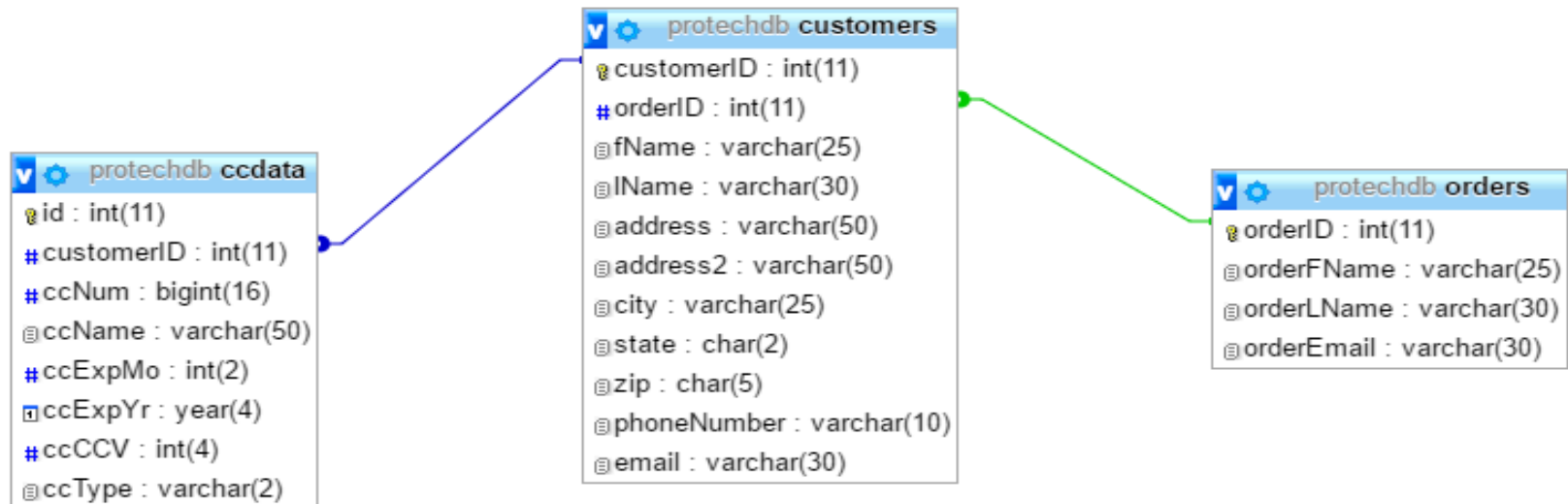
Timeline



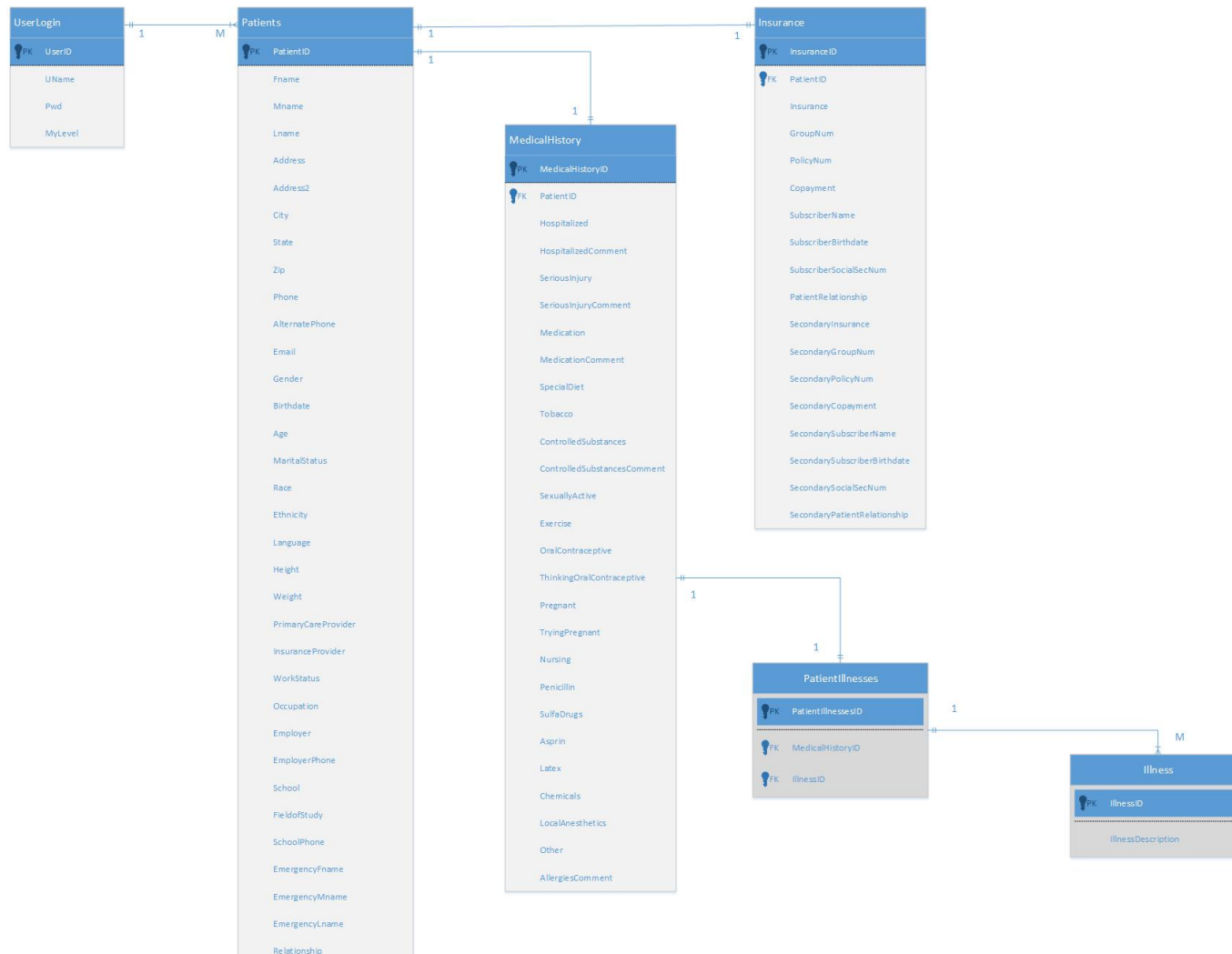


Database Design

Website Database



C# App Database



Obstacles

- Two in-depth applications that come together as one program
- Short time frame for scope of project
- Ability to map out project timeframe
- Working around programming issues + bugs
- Pair programming on two different projects at the same time



Technical Design

- MVC – Model View Control for Website
- Scrolling functionality – scrollTop, scrollSpy, scrollFire
- CSS animations + transforms with jQuery
- Google Maps API with designed map to show location
- Using Classes
- Validation for form elements



Summary

- Interactive website and E.H.R. application
- Working Databases for both applications
- Intuitive user interface design
- Valuable teamwork experience
- Met majority of our goals in 10 week period

